

opposed lower and upper platens each of which includes elongated quench tubes which are substantially parallel to each other and have quench openings; the lower platen having deformable drive shafts which extend between the elongated quench tubes thereof and are oriented to be substantially perpendicular to those quench tubes and which are rotatably supported by those quench tubes, and the lower platen also having drive wheels supported on the deformable drive shafts thereof at spaced locations to engage and move the glass sheet; an actuator connected to the lower platen for moving the quench tubes as a glass sheet is bent about a direction parallel to the quench tubes to generally conform the tubes to the shape of the bent glass sheet; and means to supply quenching gas through the quench tubes to uniformly temper a glass sheet therebetween.

30. (New) A glass sheet bending and tempering apparatus comprising: lower and upper opposed deformable platens each of which includes elongated quench tubes which are substantially parallel to each other and have quench openings; the lower platen having deformable drive shafts which extend between the elongated quench tubes thereof and are oriented to be substantially perpendicular to those quench tubes and which are rotatably supported by those quench tubes, and the lower platen also having drive wheels supported on the deformable drive shafts thereof at spaced locations to engage and move the glass sheet to be bent; the upper platen having idler shafts mounted on the elongated quench tubes thereof and also having idler wheels mounted by the idler shafts at spaced locations to engage the glass sheet to be bent; actuating means for causing deformation of the lower platen with the upper platen being conformably deformable to the shape of the lower platen as the lower platen is bent about a direction parallel to the elongated direction of the quench tubes from a flat shape to a bent shape with the glass sheet disposed between the platens as the quench openings of the elongated quench tubes and the wheels are moved with the platens as the wheels engage and bend the glass sheet; means to supply quenching gas to the quench openings of both platens after bending has finished to thereby temper the bent glass sheet between the platens; and drive means for reversibly driving the drive wheels to move the glass sheets during the bending and tempering of the glass sheet.